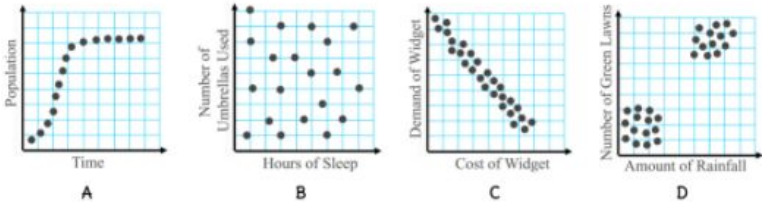
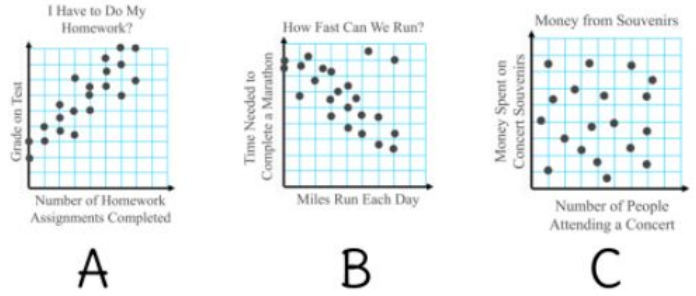
<table>
<tr><td>Subject: Math-Quarter 3</td><td>Grade: 8</td><td colspan="2">Strand: DATA ANALYSIS, STATISTICS, AND PROBABILITY</td></tr>
<tr><td colspan="4">Standard: 8.DSP.1: Construct and interpret scatter plots for bivariate measurement data to investigate patterns of association between two quantitative variables. Describe patterns such as clustering, outliers, positive or negative association, linear association, and nonlinear association.

Embedded Standard: Standard: 8.DSP.2: Know that straight lines are widely used to model relationships between two quantitative variables. For scatter plots that suggest a linear association, informally fit a straight line, and describe the model fit by judging the closeness of the data points to the line.</td></tr>
<tr><td>4.0</td><td>Student demonstrates a deep understanding by consistently extending work beyond Level 3.</td><td colspan="2">Sample Task(s)
Select the appropriate descriptions from the word bank to interpret each scatter plot.
Negative | Linear Association | Outlier
Positive | Non-Linear Association | Cluster
No Association
 
</td></tr>
<tr><td>3.5</td><td>Student has consistently met Level 3 requirements, but occasionally demonstrates the ability to successfully work beyond.</td><td colspan="2"></td></tr>
</table>

3.0	**The student demonstrates proficiency on the grade level standard by:** ● Constructing and interpreting scatter plots ● Investigating patterns of association between two quantitative variables. **The student is consistently able to apply the grade level concepts and skills above.**	**Sample Task(s)** Write an explanation of how you know whether a negative, positive, or no association exists for the three scatter plots below. 
2.5	*Student has demonstrated an understanding of the concepts and skills in Level 2, as well as some success on Level 3 concepts and skills.*	
2.0	**The student is demonstrating success on the following foundational concepts and skills:** ● Describe positive and negative association ● Describe linear and nonlinear association ● Describe clustering and outliers	**Sample Task(s)**
1.5	*Student has independently demonstrated some success on the foundational concepts and skills.*	
1.0	**The student can demonstrate some success on the foundational concepts and skills but requires support to do so.**	
0.0	**There is no evidence of success on the foundational concepts and skills, even with support.**	